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Run on: June 5, 2003, 14:00:01 ; Search time 15.2727 Seconds  
(without alignments)  
445.022 Million cell updates/sec

Title: Perfect score: US-09-840-795-19  
Sequence: 1 MDQNEYWDOGRGCVTCQR.....AQLFSLDSVPFPQQQQPEM 231  
Scoring table: BL0SUM62  
Gapop 10.0 , Gapext 0.5  
Searched: 262574 seqs, 2942922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Issued Patents AA:\*

- 1: /con2\_6/ptodata/1/iaa/5B\_COMB.pep:\*
- 2: /con2\_6/ptodata/1/iaa/5B\_COMB.pep:\*
- 3: /con2\_6/ptodata/1/iaa/6A\_COMB.pep:\*
- 4: /con2\_6/ptodata/1/iaa/6B\_COMB.pep:\*
- 5: /con2\_6/ptodata/1/iaa/pctus\_COMB.pep:\*
- 6: /con2\_6/ptodata/1/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	443	34.8	210	4 US-09-286-529-3
2	395.5	31.1	151	4 US-09-286-529-3
3	199.5	15.7	448	4 US-09-342-681C-17
4	199.5	15.7	448	4 US-09-342-681C-19
5	153.5	12.0	260	4 US-09-0353A-8
6	153.5	12.0	260	4 US-09-573-986-8
7	152.5	12.0	415	4 US-09-006-353A-6
8	152.5	12.0	415	4 US-09-573-986-6
9	150.5	11.8	186	1 US-09-089-458B-6
10	145.5	11.4	455	1 US-09-050-319B-25
11	145.5	11.4	455	1 US-09-321-668-2
12	145.5	11.4	455	1 US-08-337-941-2
13	145.5	11.4	455	2 US-09-126-016-2
14	145.5	11.4	455	2 US-09-465-982-25
15	145.5	11.4	455	4 US-09-815-469-5
16	145.5	11.4	455	4 US-09-006-353A-3
17	145.5	11.4	455	4 US-09-527-236A-5
18	145.5	11.4	455	4 US-09-454-970-2
19	145.5	11.4	455	4 US-09-565-918-4
20	145.5	11.4	455	4 US-09-573-986-3
21	145.5	11.4	909	4 US-09-133-895A-4
22	144	11.3	909	4 US-09-448-868-4
23	142	11.2	419	4 US-08-509-024-7
24	142	11.2	419	4 US-09-333-279-7
25	142	11.2	625	3 US-09-996-139-15
26	142	11.2	625	4 US-08-995-659-15
27	142	11.2	625	4 US-09-215-649A-15

RESULT 1  
US-09-286-529-3  
; Sequence 3, Application US/09286529  
; Patent NO. 6297367

GENERAL INFORMATION:  
APPLICANT: Catherine Tribouley  
TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES  
FILE REFERENCE: 1408.003/200130.439C1  
CURRENT FILING DATE: 1999-04-05  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: FastSEQ for Windows Version 3.0  
SEQ ID NO 3  
; LENGTH: 210  
; TYPE: PRT  
; ORGANISM: human  
US-09-286-529-3

Query Match Best Local Similarity 34.8%; Score 443; DB 4; Length 210;  
Matches 72; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

QY	2 DCQNEYWDOGRGCVTCQRGGPGQLSKDGGYEGGDAYCTACPPRKYSSWHHRKQCSC 61
Db	33 DCRQEQFKDRSGNCVLCKGCGPQGMELSKCCEGGFGEDAQCWPCCRPHRFKEDWGFKPC 92
Qy	62 ITCAVINRYQKNGTATSAVVGCGCLPRFRKTRIGLQDGECICTKQPTSEYCAFO 121
Db	93 ADCALVNRFORANGSHTSIDAVCGDCLPGFYRKTKLVLGFQDMECVPGDPPPYEPHCK 152
Qy	122 LSLEVADAPTVPPOATEVALVUSSLVWFLA 153
Db	153 VNLVKISSTVSSPRDTAVAAVICSLATVLLA 184

RESULT 2  
US-09-286-529-4  
; Sequence 4, Application US/09286529  
; Patent NO. 6297367

GENERAL INFORMATION:  
APPLICANT: Catherine Tribouley  
TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES  
FILE REFERENCE: 1408.003/200130.439C1  
CURRENT FILING DATE: 1999-04-05  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: FastSEQ for Windows Version 3.0  
SEQ ID NO 4  
; LENGTH: 151  
; TYPE: PRT

Sequence 15, Appli  
Sequence 2, Appli  
Sequence 6, Appli  
Sequence 14, Appli  
Sequence 2, Appli  
Sequence 4, Appli  
Sequence 7, Appli  
Sequence 3, Appli  
Sequence 4, Appli  
Sequence 5, Appli  
Sequence 6, Appli  
Sequence 7, Appli  
Sequence 8, Appli  
Sequence 9, Appli  
Sequence 10, Appli  
Sequence 11, Appli  
Sequence 12, Appli  
Sequence 13, Appli  
Sequence 14, Appli  
Sequence 15, Appli  
Sequence 16, Appli  
Sequence 17, Appli  
Sequence 18, Appli  
Sequence 19, Appli  
Sequence 20, Appli  
Sequence 21, Appli  
Sequence 22, Appli  
Sequence 23, Appli  
Sequence 24, Appli  
Sequence 25, Appli  
Sequence 26, Appli  
Sequence 27, Appli







QY            3 COENEYMDQWGRVTCRGGPGOELSKDGGYEGGDAYCTACPPRRVKSSWGH-HKQSC 61  
       | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |  
 Db            44 CPOGKYIIPQNNSICCTRKHGTYLNC-PGPQDTCCREGESEGSTASEHHLRHCSC 102  
 QY            62 ITC-AVINRQVKUNCTATNAVGDCLPFRYRK----- 93  
 Db            103 SKCRKEMQVEISCTVDRDVCG-CRKNQYRHWSENLFQFCNCSLCLNGTVHLSQEK 161  
       | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |  
 QY            94 -----TRIGG--LQDQSCPCTPQTPSEVOCAFOLSLIVEADPTVPOEAT-----L 139  
 Db            214 LPVTFGLCILSPLFQGMLRYWRKSKLYSTVGKSTPEKEGELEGGTTKPLAPNSF 273  
 QY            191 -----PVPSSKETSAESQSWAPGS-----LAQLFS 216  
       | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |  
 Db            274 SPPGFTPTLGSPVPSSFTSS--TYTPGDCPNFAAPRREVAPPYQGADPLATLA 330  
       | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |  
 Db            331 SDPIPNPQLQK 340

RESULT 11  
 US-08-321-668-2  
 Sequence 2, Application US/08321668  
 Patent No. 565859

GENERAL INFORMATION:  
 APPLICANT: WALLACH, David  
 APPLICANT: BRAKEBUSCH, Cord  
 APPLICANT: VARGOLOMERY, Eugene

TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF NUMBER OF SEQUENCES: 42  
 TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE CORRESPONDENCE ADDRESS:  
 ADDRESSEE: BROWDY AND NEIMARK  
 STREET: 419 Seventh Street, N.W., Suite 300  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA  
 ZIP: 20004

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/321,668  
 FILING DATE: 12-OCT-1994  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: IL 107268  
 FILING DATE: 12-OCT-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: BROWDY, Roger L.  
 REGISTRATION NUMBER: 25,618  
 REFERENCE/DOCKET NUMBER: WALLACH-13  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-628-5197  
 TELEFAX: 202-737-3528  
 TELEX: 248633  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 455 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-321-668-2

Query Match 11.4%; Score 145.5; DB 1; Length 455;

Best Local Similarity 21.3%; Pred. No. 2,9e-06;  
 Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

RESULT 12  
 US-08-837-941-2  
 Sequence 2, Application US/08837941  
 Patent No. 5765917

GENERAL INFORMATION:  
 APPLICANT: WALLACH, David  
 APPLICANT: BRAKEBUSCH, Cord  
 APPLICANT: VARGOLOMERY, Eugene

APPLICANT: BATKIN, Michael  
 TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF NUMBER OF SEQUENCES: 42  
 TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE CORRESPONDENCE ADDRESS:  
 ADDRESSEE: BROWDY AND NEIMARK  
 STREET: 419 Seventh Street, N.W., Suite 300  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA  
 ZIP: 20004

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/837,941  
 FILING DATE: 28-APR-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/321,668  
 FILING DATE: 12-OCT-1994  
 APPLICATION NUMBER: IL 107268  
 FILING DATE: 12-OCT-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: BROWDY, Roger L.  
 REGISTRATION NUMBER: 25,618  
 REFERENCE/DOCKET NUMBER: WALLACH-13  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-628-5197  
 TELEFAX: 202-737-3528  
 TELEX: 248633  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 455 amino acids  
 TYPE: amino acid

; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-937-941-2

Query Match 11.4%; Score 145.5; DB 1; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.9e-06; Mismatches 109; Indels 99; gaps 14;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; gaps 14;

QY 3 COENEYWDQWGRCVTCORCGPQEQELSKDCGYGEGDAYCTACPPRYKSSWGH-HKQCSC 61  
Db 44 CPQGVYHQNNSICCTCKHGTYLYNDCP-GPQGDTDRCRECESSGFTASENHLRHCLSC 102

QY 62 ITCAVNRVKVNTATNAVGCDLPRFRK----- 93  
Db 103 SKCRKEMQVEISCTVDRDVCG-CRKNQYRHYSNENLFOCNCSLCNLNGTVHLSQEK 161

QY 94 -----TRIGG--LODQECIPTKOTPTSEVOCAFQSLVEADAPTVPQEAT-----L 139  
Db 162 QNTVTCAGFLRENECVSCS-----NCKSLECTKLCPOLVENTKGTDGSGTIVL 213

QY 140 VALVSSL-LVVFIAFLGLFFLYCK--QFNRHC---QRGGLQFEADKTAKEESLF 190  
Db 214 LPIVFFGCLISLFIGLMYRORMKSKLYSIVCGKSTPEKELEGTTKPLAPNPSF 273

QY 191 -----PVPKSKETSAEWSVWAGS-----LAQLFS 216  
Db 274 SPTPGFTPILGFSPVPSSTSS--TYPGDCPNFAAPRREVAPPYQGADPLATALA 330

QY 217 LDSVPIPOQQ 226  
Db 331 SDPIPNPQK 340

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RESULT 13  
US-08-126 016-2  
; Sequence 2, Application US/08126016  
; Patent No. 5811261

GENERAL INFORMATION:  
APPLICANT: WALLACH, DAVID  
APPLICANT: NOPHAR, YARON  
APPLICANT: KEMPER, OLIVER  
APPLICANT: ENGELMANN, HARTMUT  
APPLICANT: BRAKEBUSCH, CORO  
APPLICANT: ADERA, DAN  
TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brody and Neimark  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20004

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/126\_016  
FILING DATE: 24-SEP-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/625668  
FILING DATE: 13-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: BRODY, ROGER L  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: WALLACH4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-377-3528

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RESULT 14  
US-08-405-982-25  
; Sequence 25, Application US/08465982  
; Patent No. 5863786

GENERAL INFORMATION:  
APPLICANT: M. Feldmann, P.W. Gray,  
APPLICANT: M.J.C. Turner, F.M. Brennan  
TITLE OF INVENTION: Modified human TNFalpha (Tumor  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Reed & Robbins  
STREET: 635 Bryant Street  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94301

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/465,982  
FILING DATE:  
CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/050,319  
FILING DATE: 10-May-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Robbins, Roberta L.  
REGISTRATION NUMBER: 33,208  
REFERENCE/DOCKET NUMBER: 5150-0030  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 617-8999

APPLICATION NUMBER: US 60/013,285  
 FILING DATE: 12-MAR-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Steffe, Eric K.  
 REGISTRATION NUMBER: 36,688  
 REFERENCE/DOCKET NUMBER: 1488.0310003/EKS/KRM  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-371-2600  
 TELEFAX: 202-371-2540  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 455 amino acids  
 TYPE: amino acid  
 MOLECULE TYPE: protein  
 US-08-465-982-25  
 Query Match 11.4%; Score 145.5; DB 2; Length 455;  
 Best Local Similarity 21.3%; Pred. No. 2.9e-06; Mismatches 66; Conservative 36; Indels 99; Gaps 14;  
 Matches 66; Mismatches 109; Indels 99; Gaps 14;  
 LENGTH: 455 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: not relevant  
 TOPOLogy: linear  
 MOLECULE TYPE: protein  
 US-08-815-469-5  
 Query Match 11.4%; Score 145.5; DB 4; Length 455;  
 Best Local Similarity 21.3%; Pred. No. 2.9e-06; Mismatches 66; Conservative 36; Indels 99; Gaps 14;  
 Matches 66; Mismatches 109; Indels 99; Gaps 14;  
 LENGTH: 455 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: not relevant  
 TOPOLogy: not relevant  
 MOLECULE TYPE: protein  
 US-08-815-469-5  
 Query Match 11.4%; Score 145.5; DB 4; Length 455;  
 Best Local Similarity 21.3%; Pred. No. 2.9e-06; Mismatches 66; Conservative 36; Indels 99; Gaps 14;  
 Matches 66; Mismatches 109; Indels 99; Gaps 14;  
 LENGTH: 455 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: not relevant  
 TOPOLogy: linear  
 MOLECULE TYPE: protein  
 RESULT 15  
 US 08-815-469-5  
 Sequence 5, Application US/08815469  
 ; Patent No. 6153402  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yu, Guo-Liang  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Dixit, Vishva  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Dillon, Patrick J.  
 ; TITLE OF INVENTION: Deactin Domain Containing Receptors  
 ; NUMBER OF SEQUENCES: 17  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.  
 ; STREET: 1100 New York Ave., NW, Suite 600  
 ; CITY: Washington  
 ; STATE: DC  
 ; COUNTRY: USA  
 ; ZIP: 20005-3934  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentsn Release #1.0, version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/815,469  
 ; FILING DATE: HERWITH  
 ; CLASSIFICATION: 435  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: No. 6153402 yet Assigned  
 ; FILING DATE: 06-FEB-1997  
 ; APPLICATION NUMBER: US 60/028,711  
 ; FILING DATE: 17-OCT-1996  
 ; PRIORITY APPLICATION DATA:  
 ; FILING DATE: 17-OCT-1996

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